

Contributors to This Issue

CHRISTOPH B. BURCKHARDT, Dipl.-Ing., 1959, Dr. sc. techn., 1963, Swiss Federal Institute of Technology; Bell Telephone Laboratories, 1963—. Initially Mr. Burckhardt was engaged in the analysis of varactor frequency multipliers. Since 1965, he has been working in holography. Member, IEEE, Optical Society of America.

SHLOMO HALFIN, M.Sc., 1958, and Ph.D., 1962, The Hebrew University of Jerusalem (Israel); Bell Telephone Laboratories, 1968—. Mr. Halfin is working on theoretical problems in the area of mathematical programming and on the development of special purpose optimization algorithms. Member, American Mathematical Society, Operations Research Society of America, and the Society for Industrial and Applied Mathematics.

LELAND B. JACKSON, S.B. and S.M., 1963, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1961-62, 1966—. Mr. Jackson was first associated with Bell Laboratories under the M.I.T. cooperative program in electrical engineering. Since 1966 he has been primarily concerned with the analysis and synthesis of digital filters and related systems. He has completed the requirements for the Sc.D. degree from Stevens Institute of Technology. Member, IEEE, Tau Beta Pi, Eta Kappa Nu, Sigma Xi.

NORMAN D. KENYON, B.A., 1963, M.A., 1966, and Ph.D., 1967, Cambridge University, England; Bell Telephone Laboratories, 1968—. Mr. Kenyon is currently working on circuit structures for millimeter-wave IMPATT diodes. Member, IEEE.

BRIAN W. KERNIGHAN, B.A.Sc., 1964, University of Toronto; Ph.D., 1969, Princeton University; Bell Telephone Laboratories, 1969—. Mr. Kernighan is working primarily on graph-partitioning and its applications and extensions. Member, Association for Computing Machinery.

RONALD W. KORDOS, B.E.E., 1957, University of Detroit; M.S.E.E., 1959, Northeastern University; Bell Telephone Laboratories, 1957—. Mr. Kordos has engaged in the design of microwave ferrite devices,

including field-displacement and resonance isolators for several microwave radio relay systems, and a passive power limiter for the *Telstar*[®] Satellite. In 1964, he transferred to the Columbus Laboratory and was engaged in the development of broadband switching matrices and in a study of microstrip interconnection in high-speed integrated circuits. Since 1968, he has been a member of the Radio Transmission Laboratory at Merrimack Valley involved in the development of microwave integrated circuits. Member, Tau Beta Pi, Eta Kappa Nu.

R. R. LAANE, B.S.E.E., 1962, University of Illinois; M.S.E.E., 1964, New York University; Bell Telephone Laboratories, 1962—. Mr. Laane has worked on the application of super-conductive switches to data processing systems and has investigated the application of optical processing techniques to data processing systems. Since 1967, he has been engaged in exploratory work on the application of semiconductor devices to telephone switching networks and on analog-to-digital conversion techniques. He is presently also working on solid-state Picturephone^(R) switching networks. Member, IEEE.

SHEN LIN, B.S. (summa cum laude), 1951, University of the Philippines; M.A., 1953, Ph.D., 1963, Ohio State University; Bell Telephone Laboratories, 1963—. He has worked in the field of Turing machine theory, combinatorial analysis and number theory. At present, he is working on applications of computers in various optimization and number-theoretic problems. Member, AAAS, American Mathematical Society, Mathematical Association of America, SIAM, Phi Kappa Phi, Sigma Pi Sigma, Pi Mu Epsilon.

DIETRICH MARCUSE, Diplom Vorpruefung, 1952, Dipl. Phys., 1954, Berlin Free University; D.E.E., 1962, Technische Hochschule, Karlsruhe, Germany; Siemens and Halske (Germany), 1954-57; Bell Telephone Laboratories, 1957—. At Siemens and Halske, Mr. Marcuse was engaged in transmission research, studying coaxial cable and circular waveguide transmission. At Bell Telephone Laboratories, he has been engaged in studies of circular electric waveguides and work on gaseous masers. He spent one year (1966-1967) on leave of absence from Bell Telephone Laboratories at the University of Utah where he wrote a book on quantum electronics. He is presently working on the transmission aspect of a light communications system. Member, IEEE, Optical Society of America.

MERTON B. PURVIS, B.S., 1944, M.S., 1949, Iowa State College; Ph.D., 1954, Pennsylvania State University; Bell Telephone Laboratories, 1955—. Mr. Purvis worked initially on development of network cooling, optics and photographic aspects of a large computer memory for the Morris Electronic Switching System. He subsequently engaged in research on the magnetic characteristics of ferreed switches used in electronic switching, development work on switches for the 60–90 MHz band and exploratory work on fluidic networks. He currently heads the Apparatus Design Department dealing with relays, crossbar switches and miscellaneous apparatus. Member, American Society of Mechanical Engineers, Sigma Xi, Pi Tau Sigma, American Society for the Advancement of Science.

DAVID C. RIFE, B.S.E.E., 1960, University of Washington; M.E.E., 1962, New York University; Bell Telephone Laboratories 1960—. Mr. Rife has worked on data carrier systems, automatic calling units and data test equipment. Since 1963 he has been supervising the development of data station testing systems. He is working on his Ph.D. at the Polytechnic Institute of Brooklyn. Member, IEEE, Phi Beta Kappa, Tau Beta Pi.

GEORGE A. VINCENT, B.S.E.E., 1966, Newark College of Engineering; M. E. (Electrical), 1968, Stevens Institute of Technology; Bell Telephone Laboratories, 1966—. Mr. Vincent is engaged in the development of data test equipment. He is presently involved in the development of a computer controlled Automatic Data Test Center. Member, IEEE, Tau Beta Pi, Eta Kappa Nu.

Erratum

On page 3440 of the December 1969 *Bell System Technical Journal*, Reference 6, "Comparison of An Energy Density Antenna System with Predetection Combining Systems for Mobile Radio" by W. C. Y. Lee, was mistakenly listed as an unpublished work. That article was published in the *IEEE Trans. on Communication Technology*, 17, No. 2 (April 1969), pp. 277-284.